

## WHAT IS CLAIMED IS:

1. A motion image recording apparatus which comprises a processor mounting a multitasking OS, and records a motion image signal in a compressed manner in a recording medium, wherein

5           a plurality of tasks to be executed by said processor includes a first task in relation to a compression process of said motion image signal, and a second task in relation to a recording process of a compressed motion image signal,

            said first task includes a determining process for periodically determining a recording processing speed of said compressed motion image signal and a changing  
10          process for changing a compression ratio of said motion image signal on the basis of a determination result of said determining process.

2. A motion image recording apparatus according to claim 1, wherein said second task includes a transmission process for transmitting said compressed motion image signal to said recording medium by a defined amount.

15          3. A motion image recording apparatus according to claim 1 or 2, further comprising a fetching means for fetching said motion image signal according to a fetching condition, wherein said plurality of tasks include a third task in relation to an adjustment of said fetching condition.

            4. A motion image recording apparatus according to claim 3, wherein said  
20          fetching means includes an imaging means for imaging an object, and said fetching condition includes an imaging condition of said imaging means.

            5. A motion image recording apparatus according to any one of claims 1 to 4, further comprising a memory for temporarily storing said compressed motion image signal, wherein said determining means determines said recording processing speed on  
25          the basis of a size of the compressed motion image signal that is stored in said memory

and has not yet been recorded.

6. A motion image recording apparatus, comprising:

a fetching means for fetching a motion image signal;

5 a compression means for compressing said motion image signal by a predetermined number of screens to generate a compressed motion image signal;

a recording means for recording said compressed motion image signal in a recording medium;

a determining means for periodically determining a processing speed of said recording means; and

10 a changing means for changing a compression ratio of said compression means on the basis of a determination result by said determining means.

7. A motion image recording apparatus according to claim 6,

a bus to be utilized for transmitting said motion image signal and said compressed motion image signal;

15 a memory for storing said motion image signal and said compressed motion image signal that are transmitted through said bus;

a zooming means for performing an electronic zooming process on said motion image signal; and

20 a selecting means for arbitrarily selecting a zooming manner of said zooming means, wherein

said zooming means, when an enlargement zooming is selected by said selecting means, extracts a part of said motion image signal by use of said memory, and performs an enlargement zooming on the extracted motion image signal.

25 8. A motion image recording apparatus according to claim 6 or 7, further comprising a memory for temporarily storing said compressed motion image signal,

wherein said determining means determines said processing speed on the basis of a size of the compressed motion image signal that is stored in said memory and has not yet been recorded.